0025901-047350

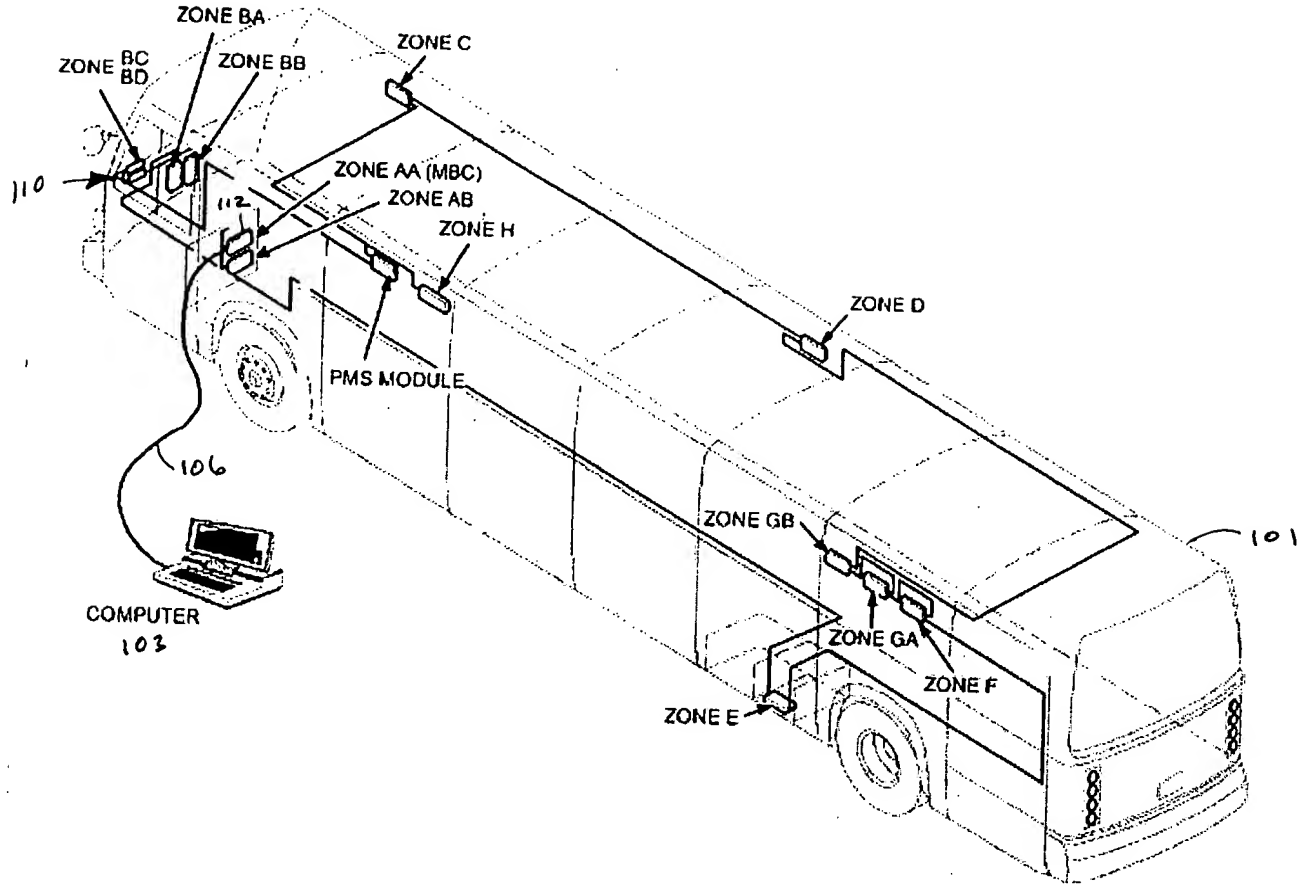

FIG. 1
(PRIOR ART)

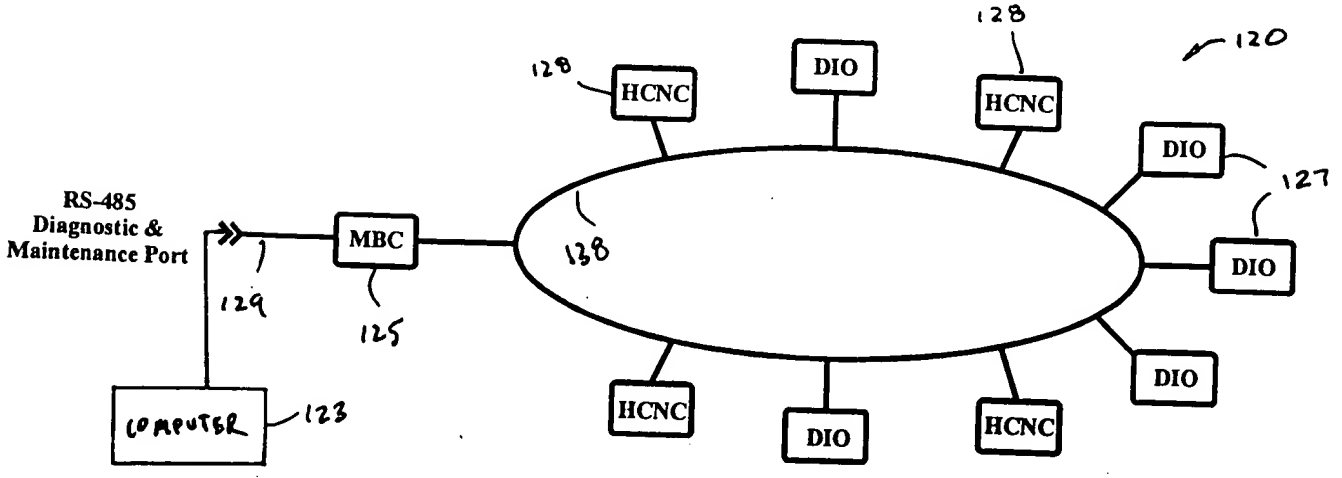

FIG. 2
(PRIOR ART)

PLC CONTROL CPU MULTIPLEX SYSTEM

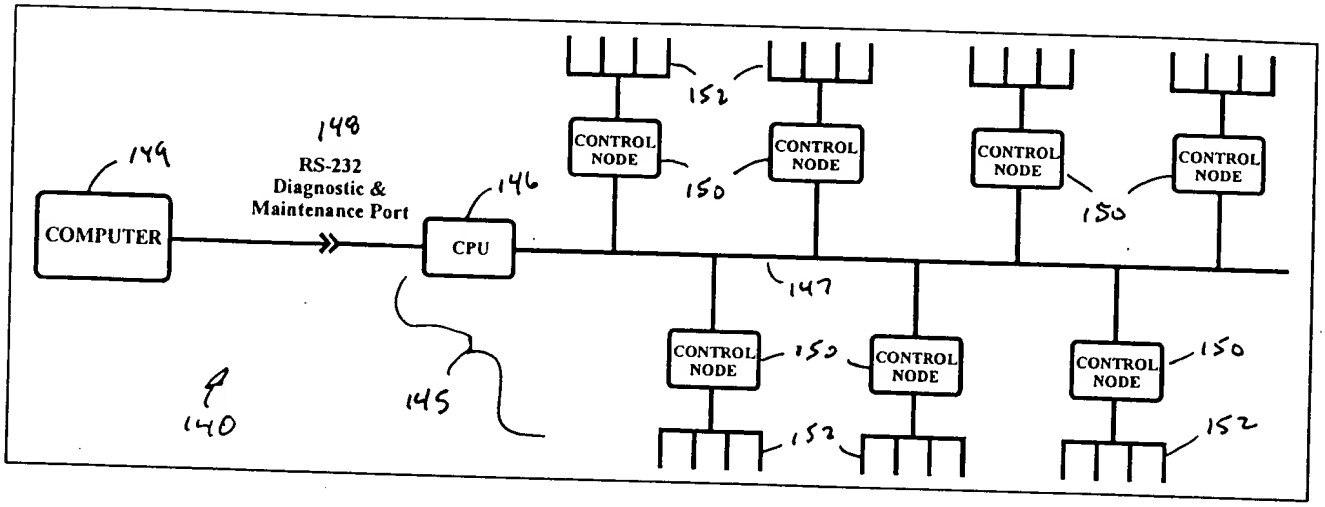

FIG. 3
(PRIOR ART)

NETWORK CONTROLLED MULTIPLEX SYSTEM

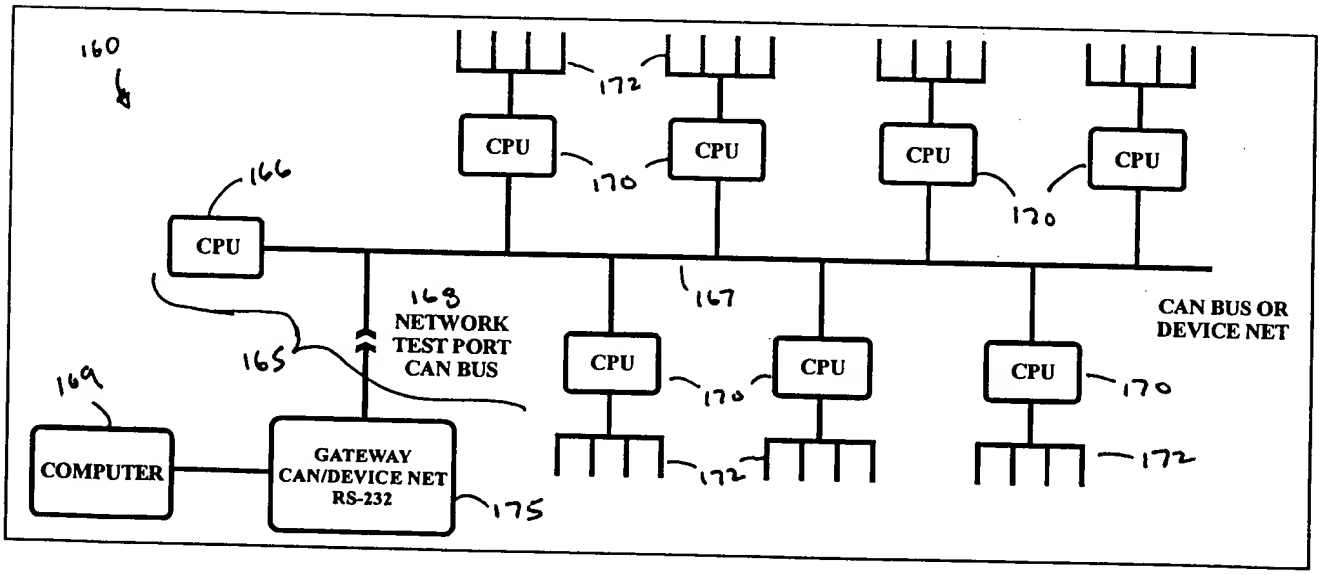

FIG. 4
(PRIOR ART)

D0215960.D76596

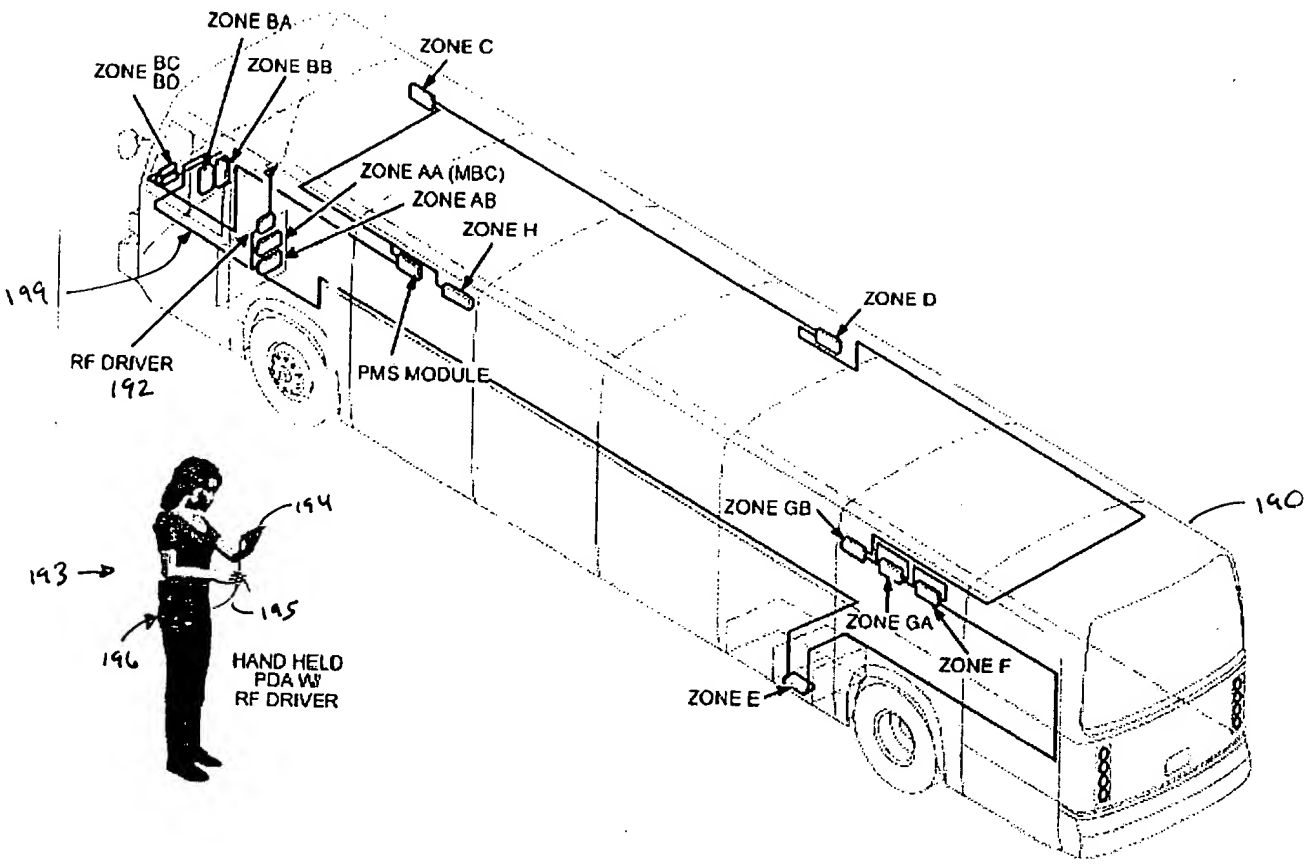

FIG. 5

DOCKET . COM

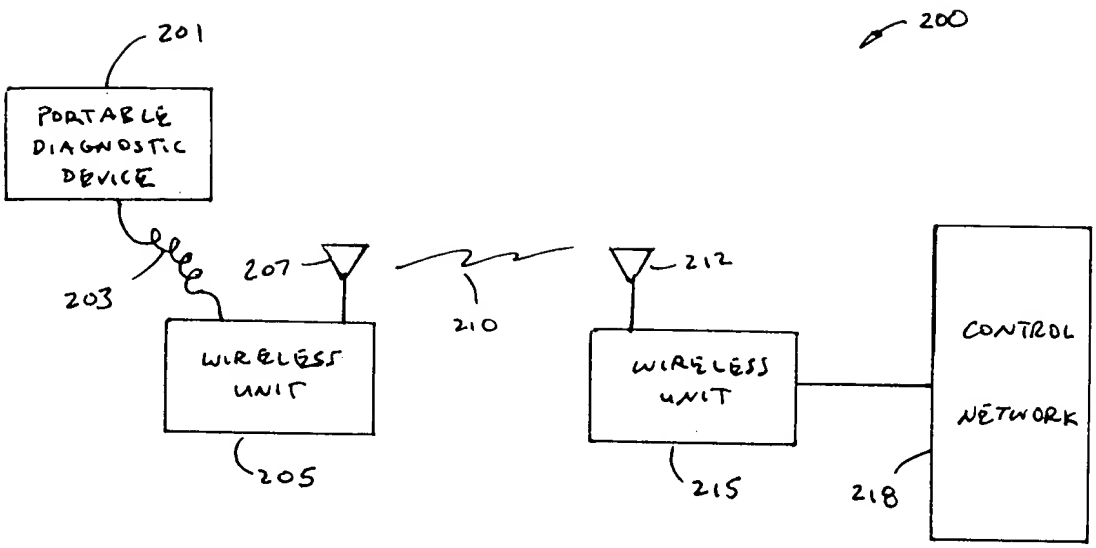
200
201
PORTABLE DIAGNOSTIC DEVICE
203
207
210
212
WIRELESS UNIT
205
WIRELESS UNIT
215
CONTROL NETWORK
218

FIG. 6

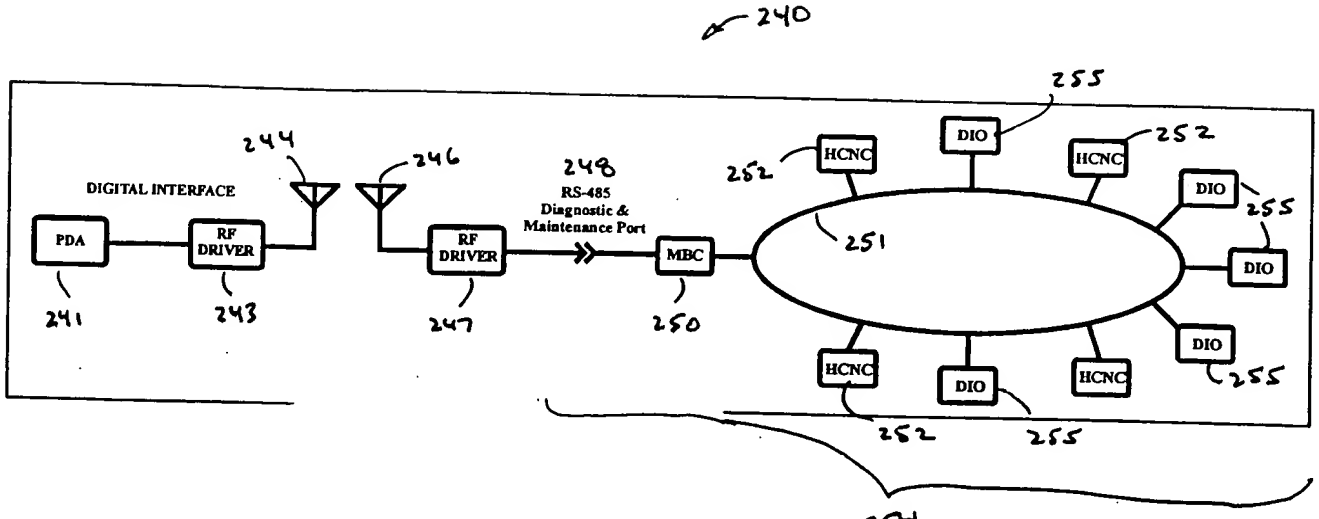
240
255
244
246
248
RS-485 Diagnostic & Maintenance Port
252
HCNC
DIO
HCNC
252
DIGITAL INTERFACE
PDA
RF DRIVER
RF DRIVER
MBC
251
DIO
255
DIO
DIO
255
HCNC
DIO
HCNC
252
255
241
243
247
250
254

FIG. 7

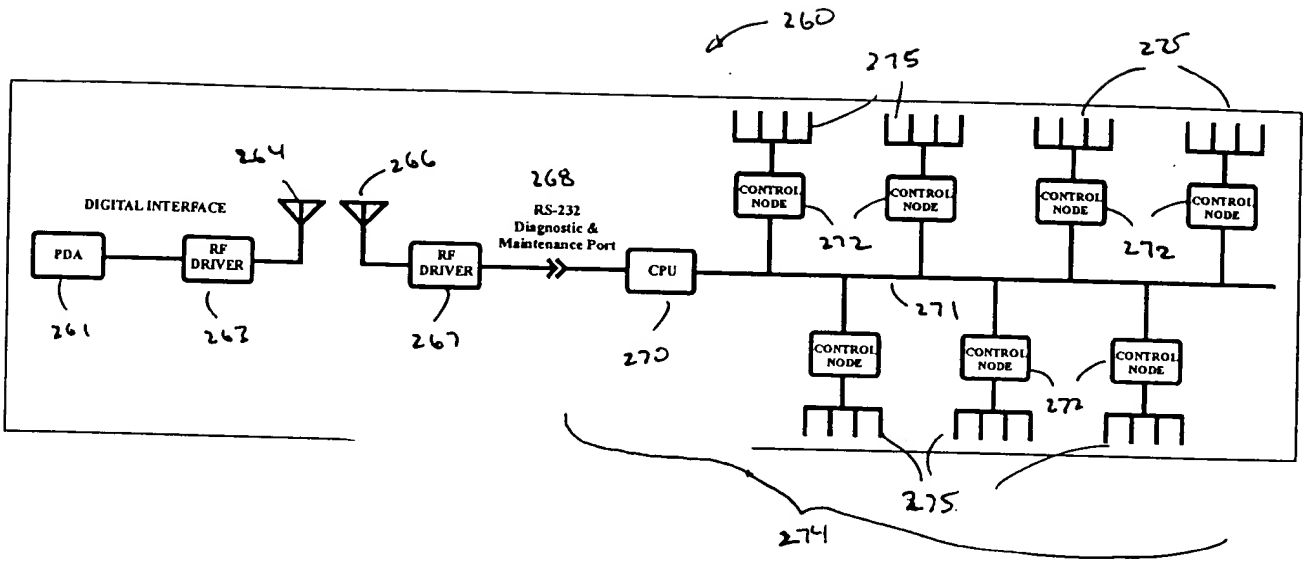
260
275
275
264
266
268
DIGITAL INTERFACE
RS-232
Diagnostic &
Maintenance Port
PDA
RF DRIVER
RF DRIVER
CPU
CONTROL NODE
CONTROL NODE
CONTROL NODE
CONTROL NODE
CONTROL NODE
CONTROL NODE
CONTROL NODE
272
272
272
271
261
263
267
270
275
274

FIG. 8

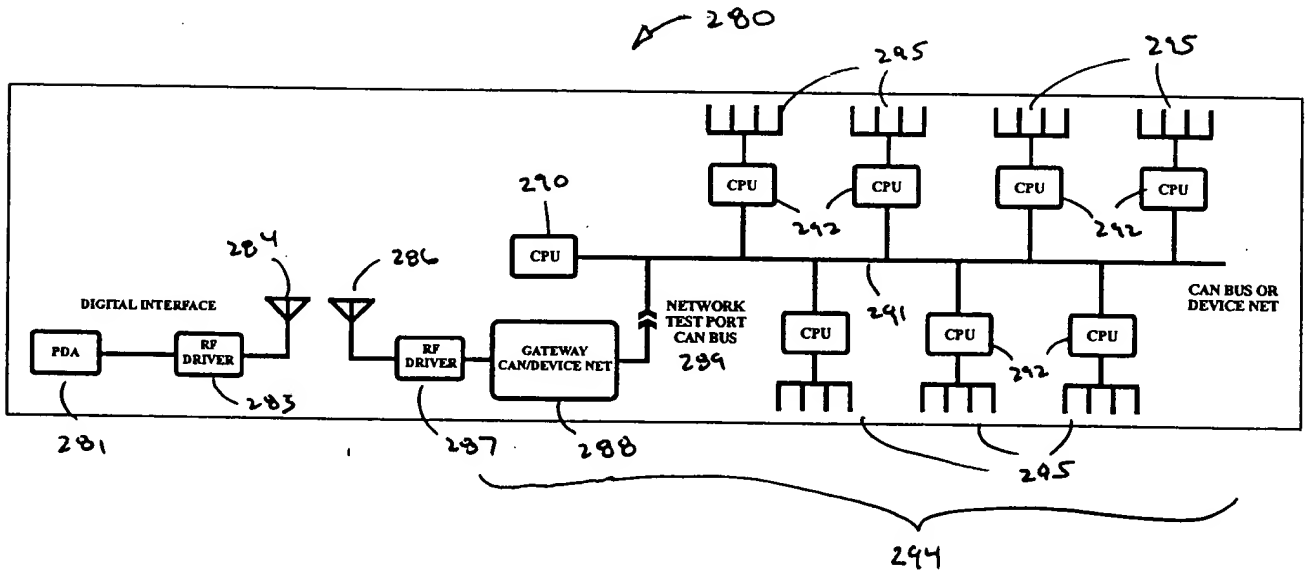
280
295
295
290
CPU
CPU
CPU
CPU
CPU
292
292
284
286
DIGITAL INTERFACE
PDA
RF DRIVER
RF DRIVER
GATEWAY CAN/DEVICE NET
NETWORK TEST PORT CAN BUS
299
CPU
CPU
CPU
291
292
CAN BUS OR DEVICE NET
283
281
287
288
295
294

FIG. 9

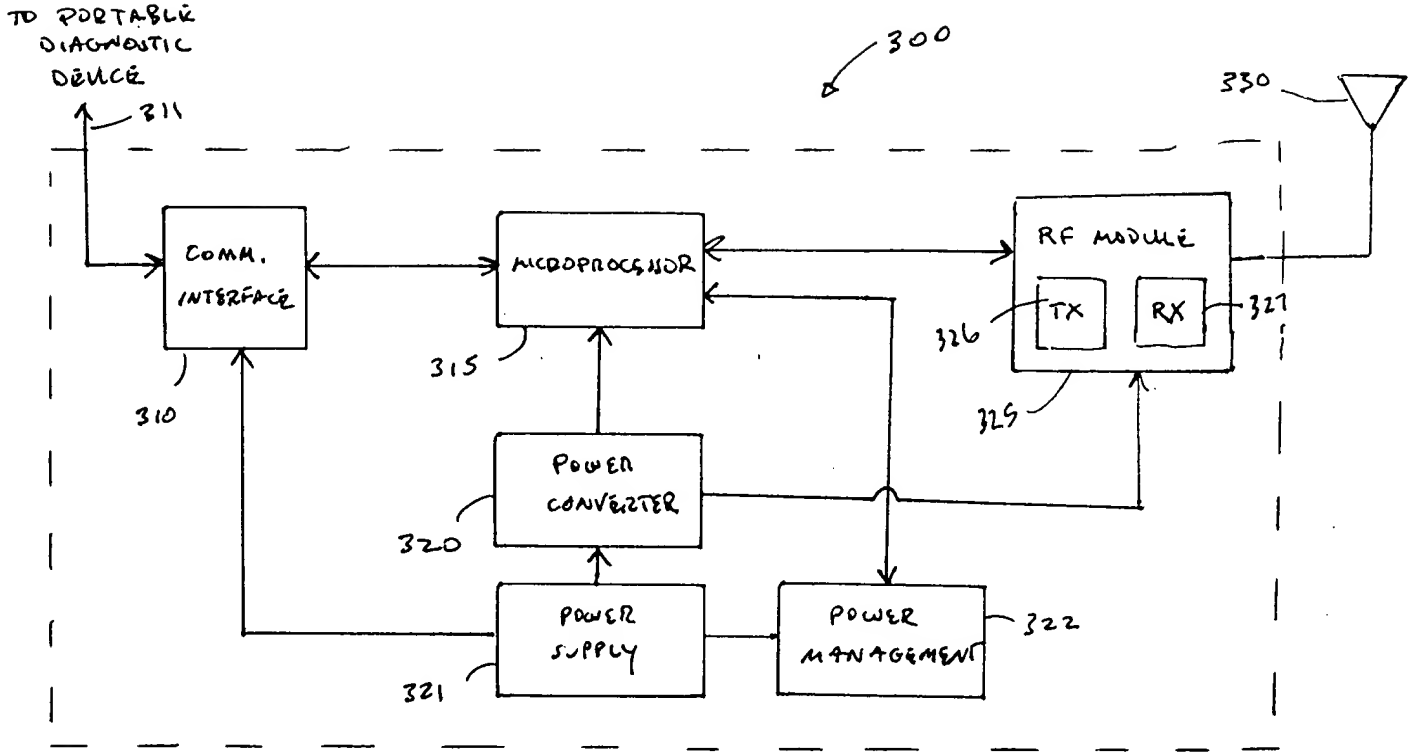

FIG. 10

DOCKET A L A R M

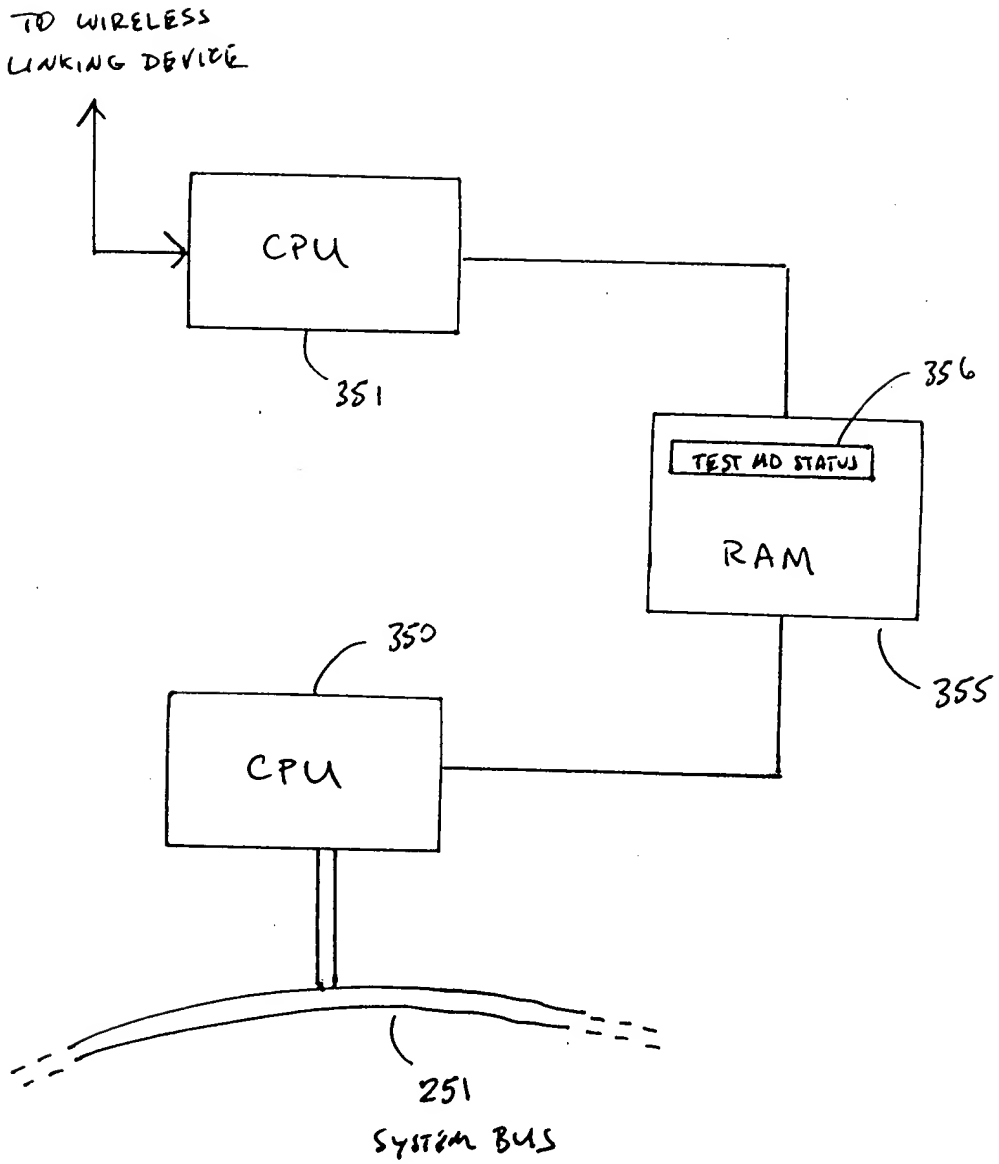
TO WIRELESS
LINKING DEVICE
CPU
351
356
TEST MD STATUS
RAM
355
350
CPU
251
System BUS

FIG. 11

Figure 12

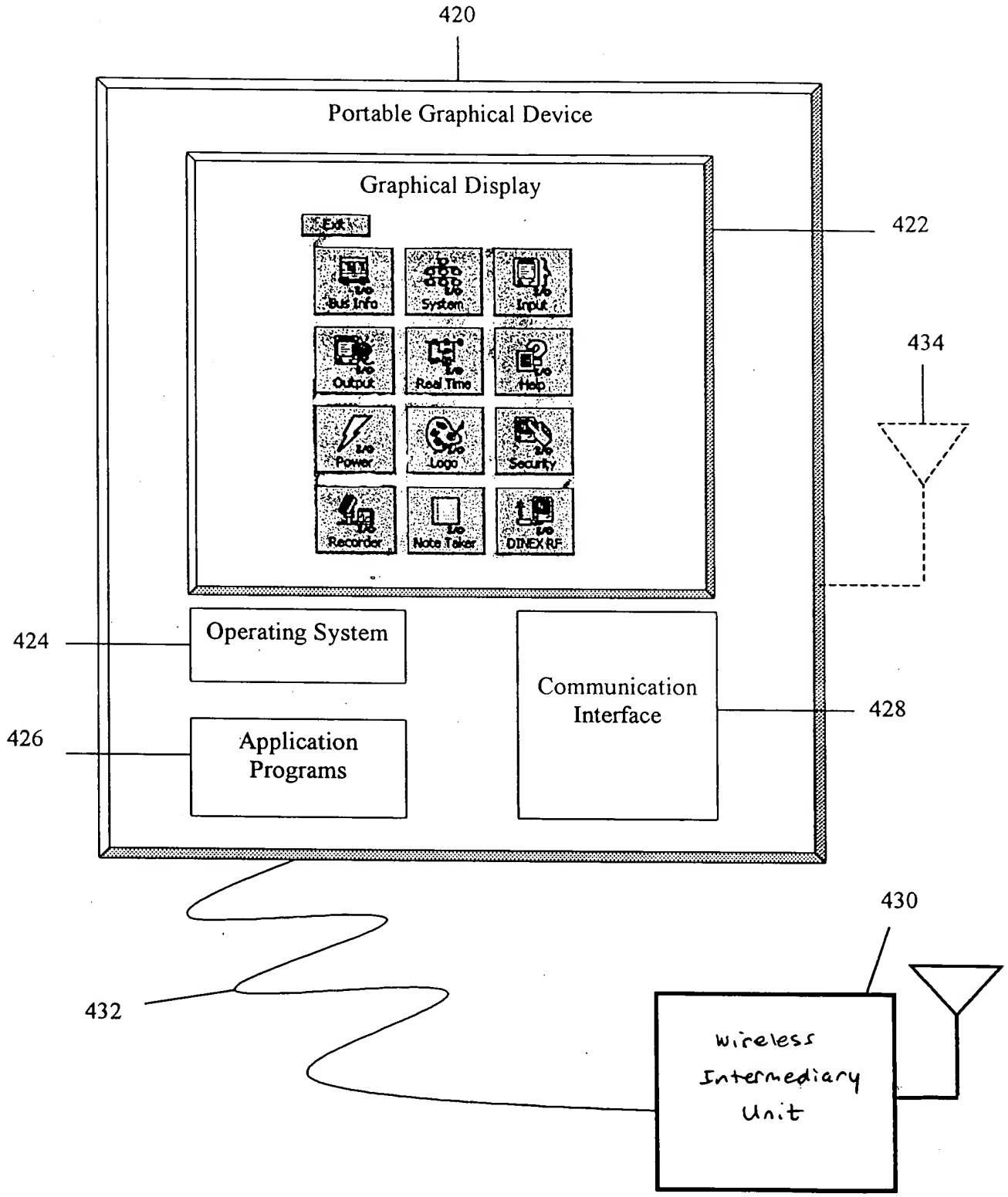

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Figure 13

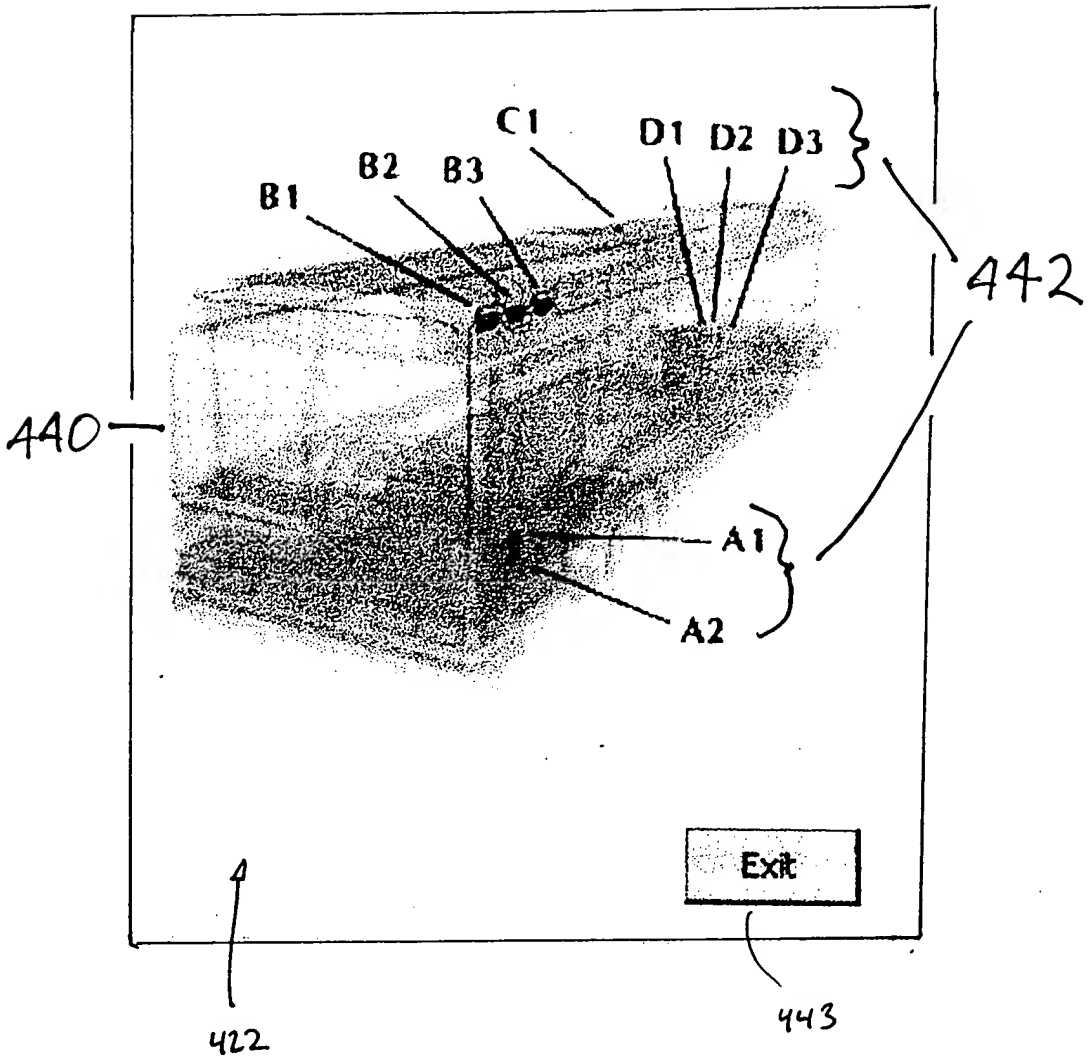

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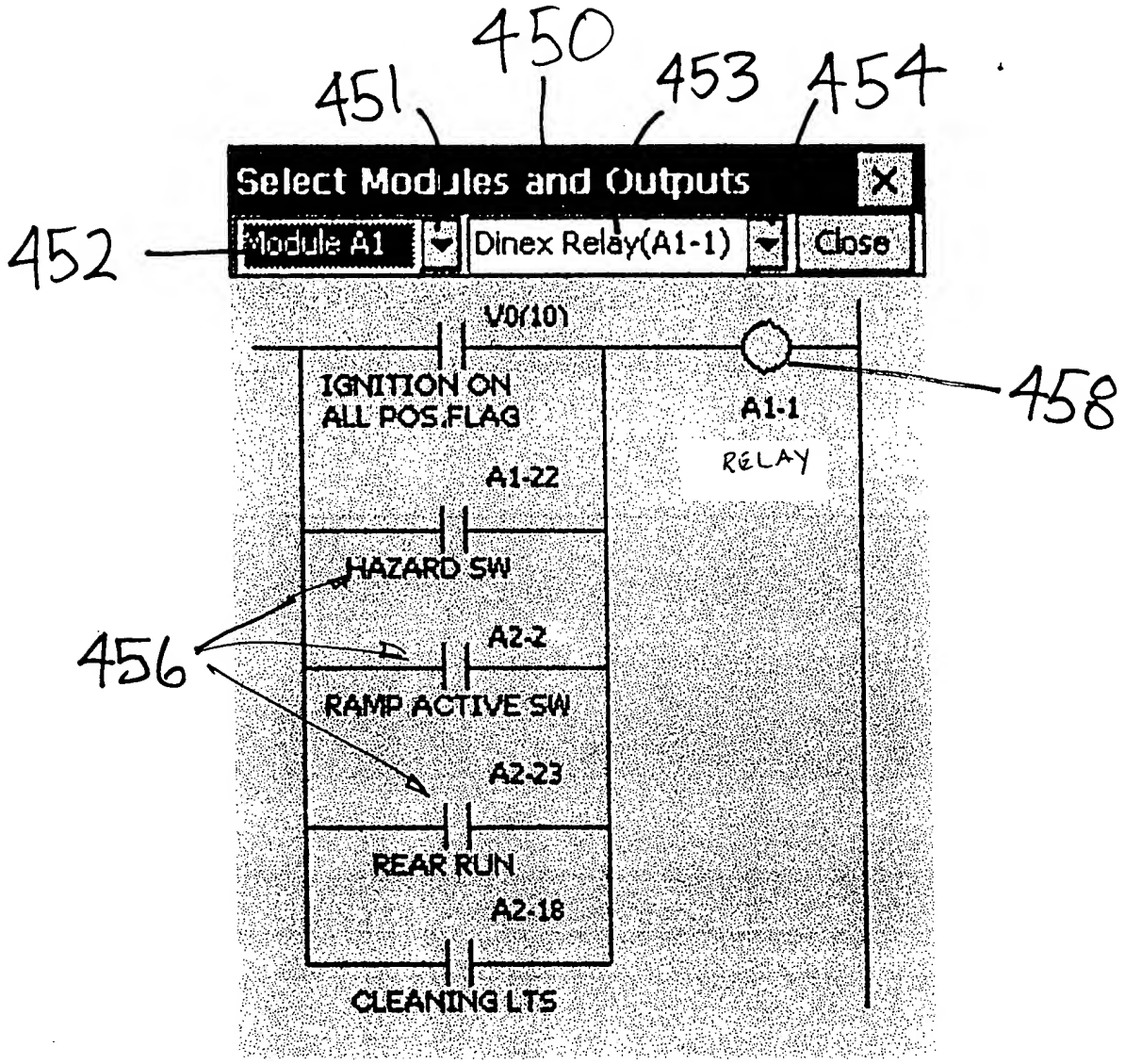
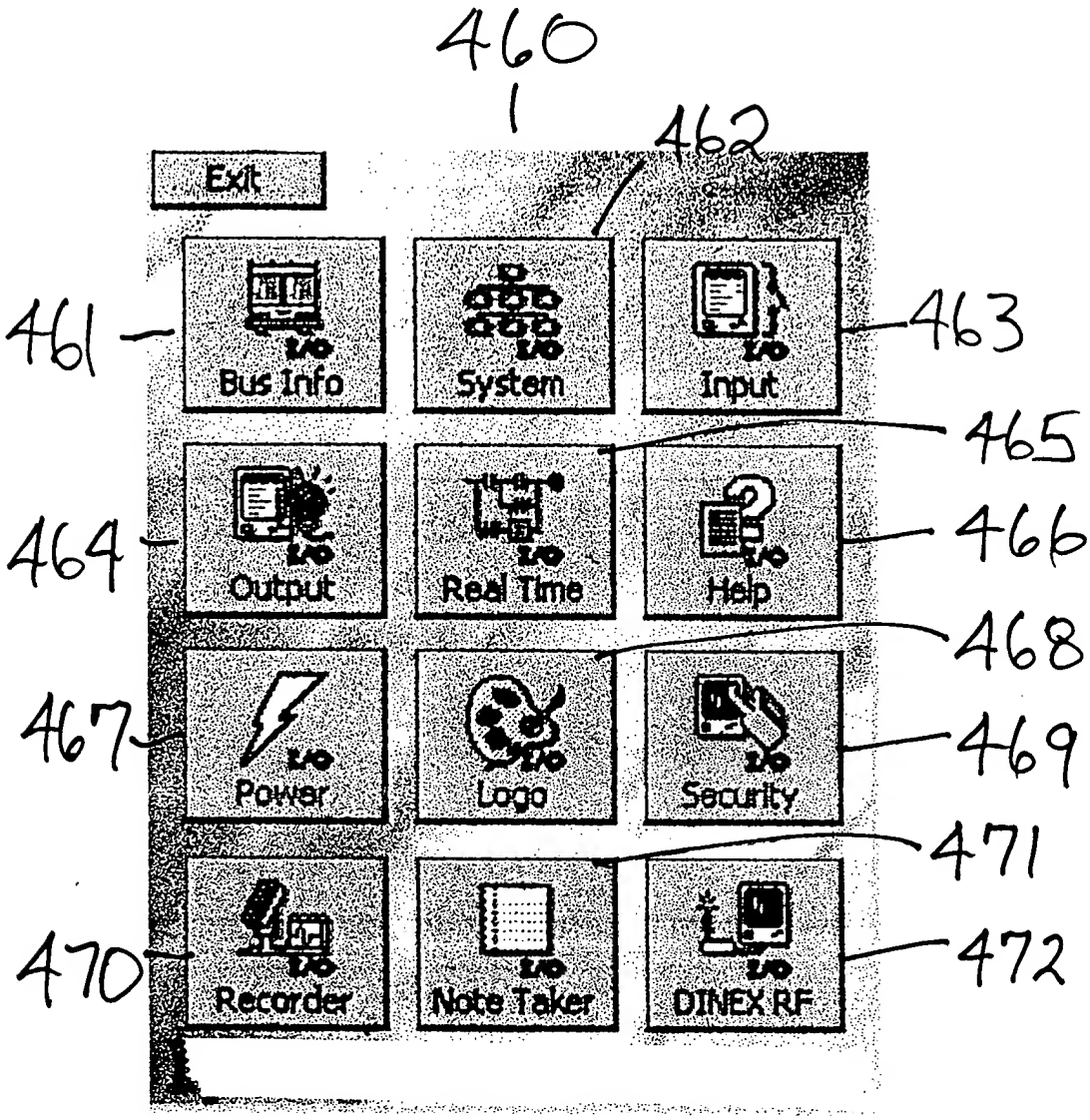
Figure 14



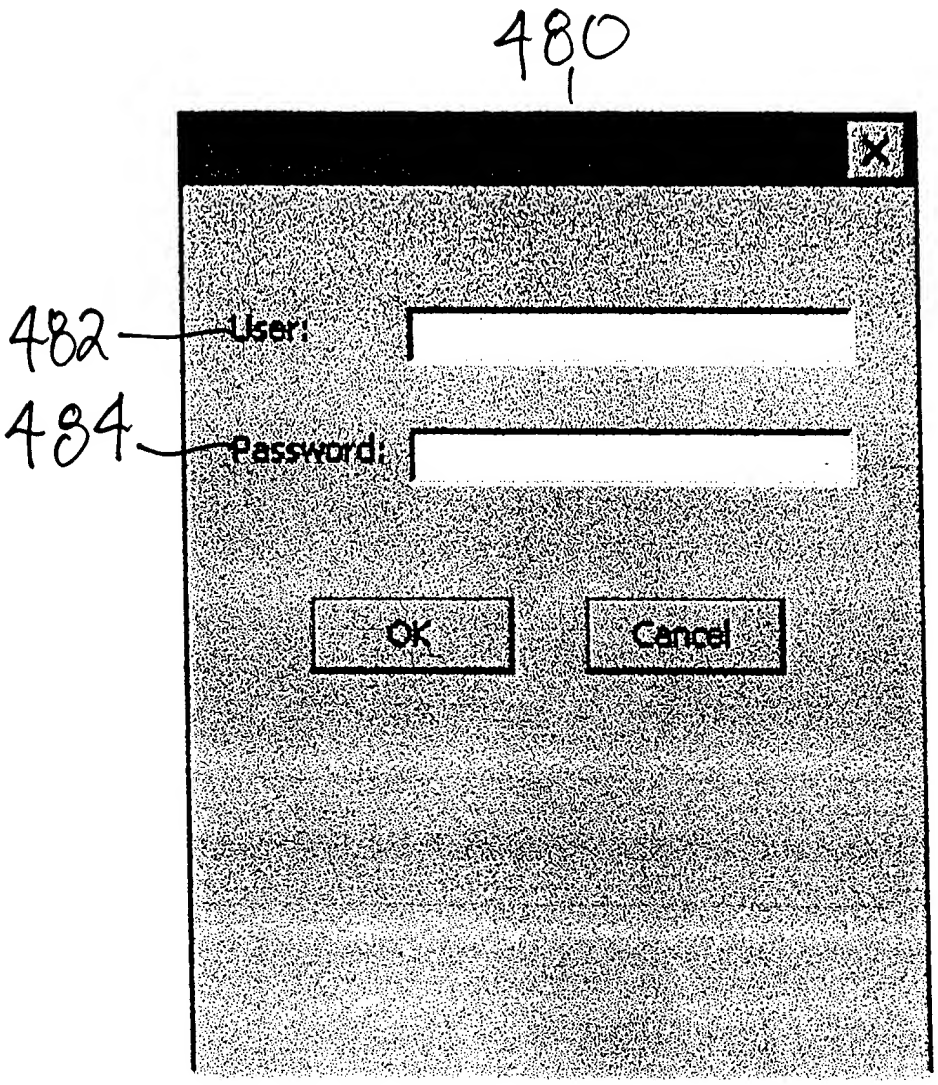
0027590 "0276560

FIGURE 15



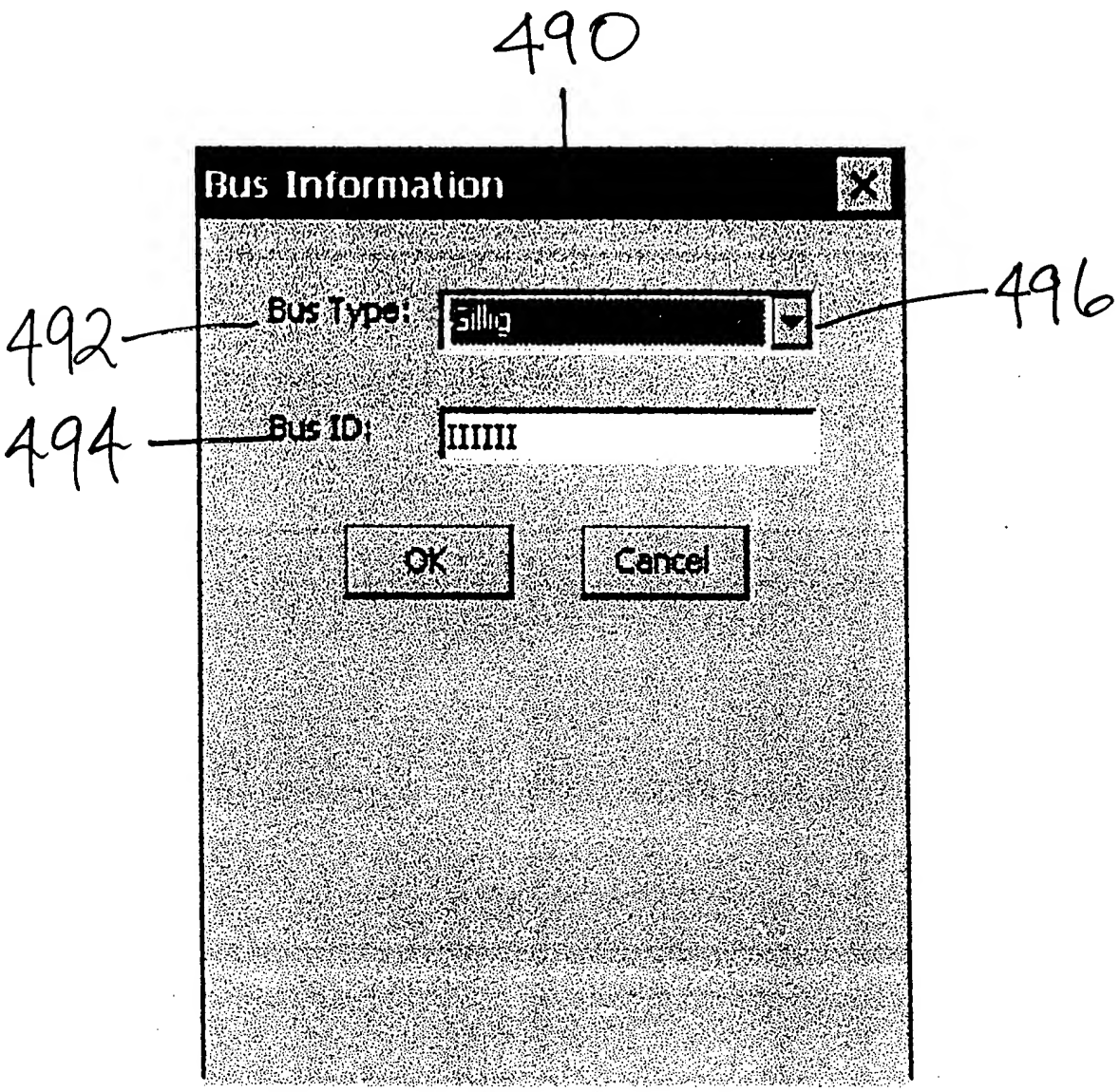
0021590-0726560

FIG. 16



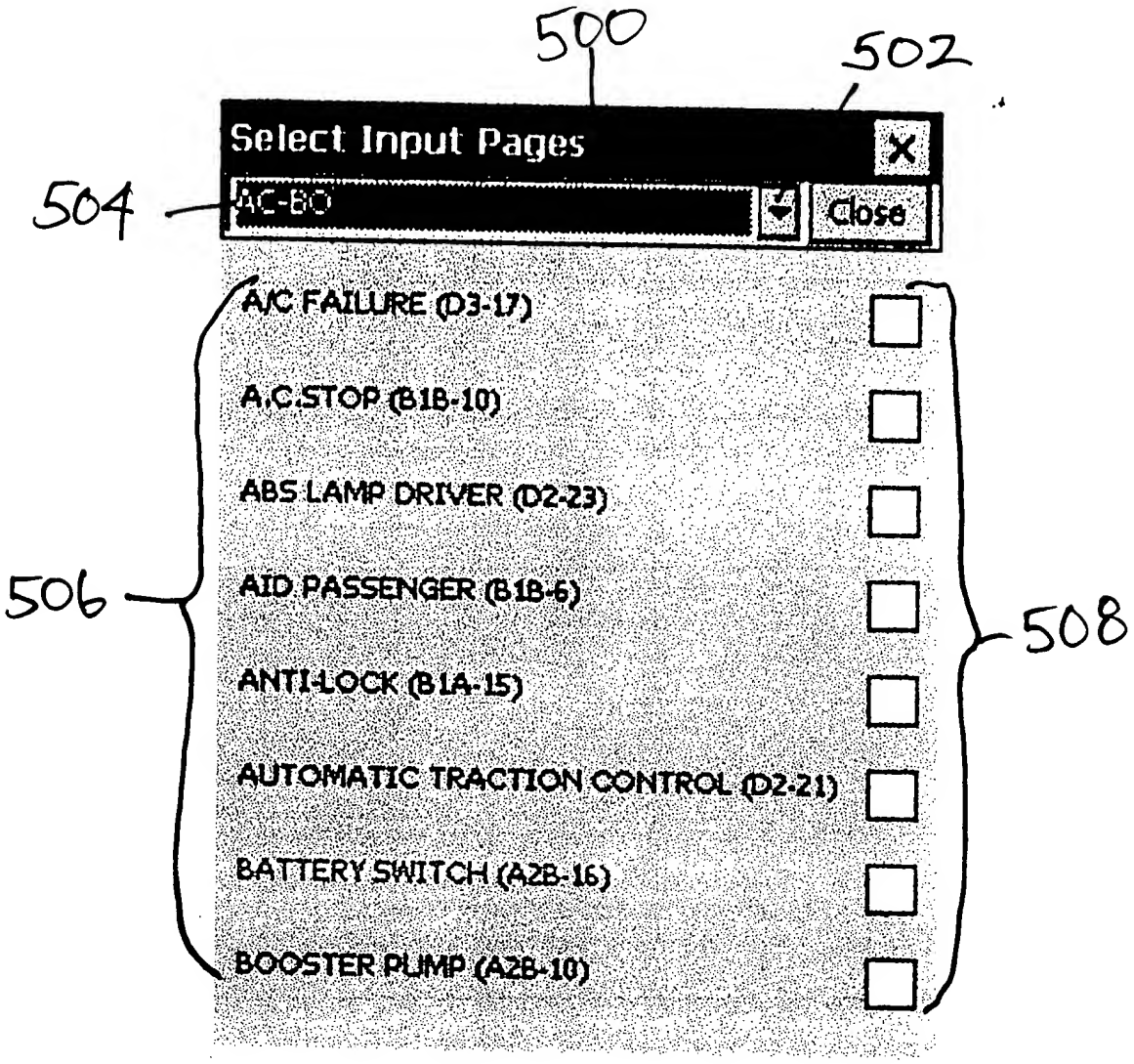
D02T90 02T65560

Figure 17



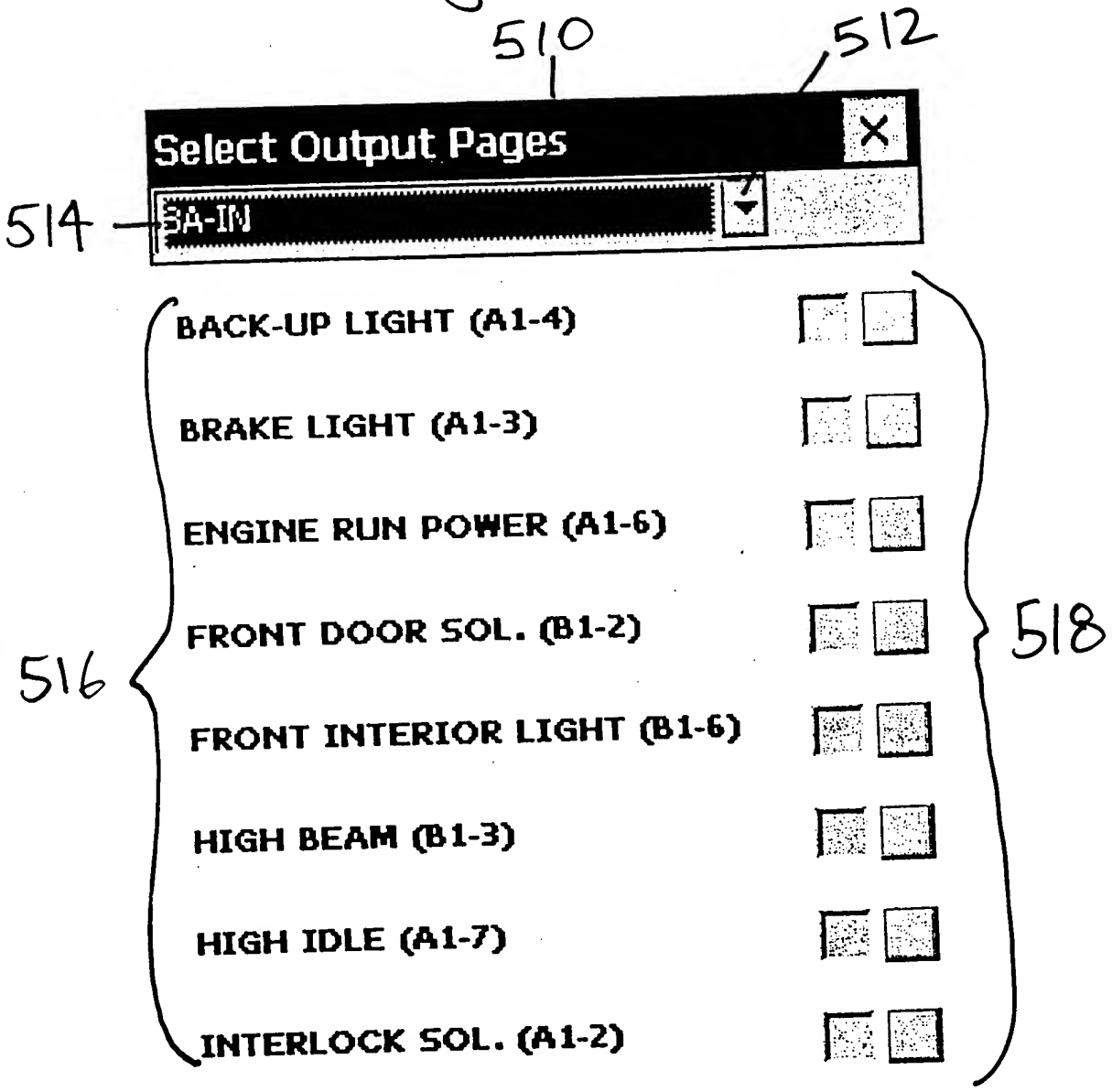
0025.0274.0550

Figure 18



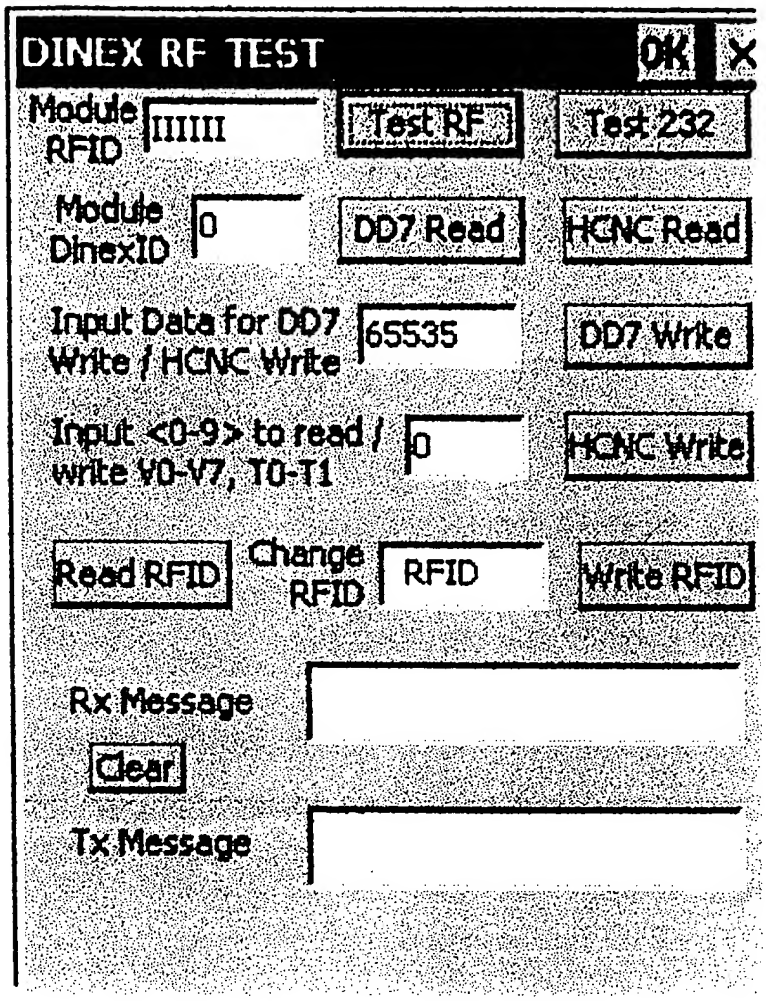
D02T90 "02T25550

Figure 19



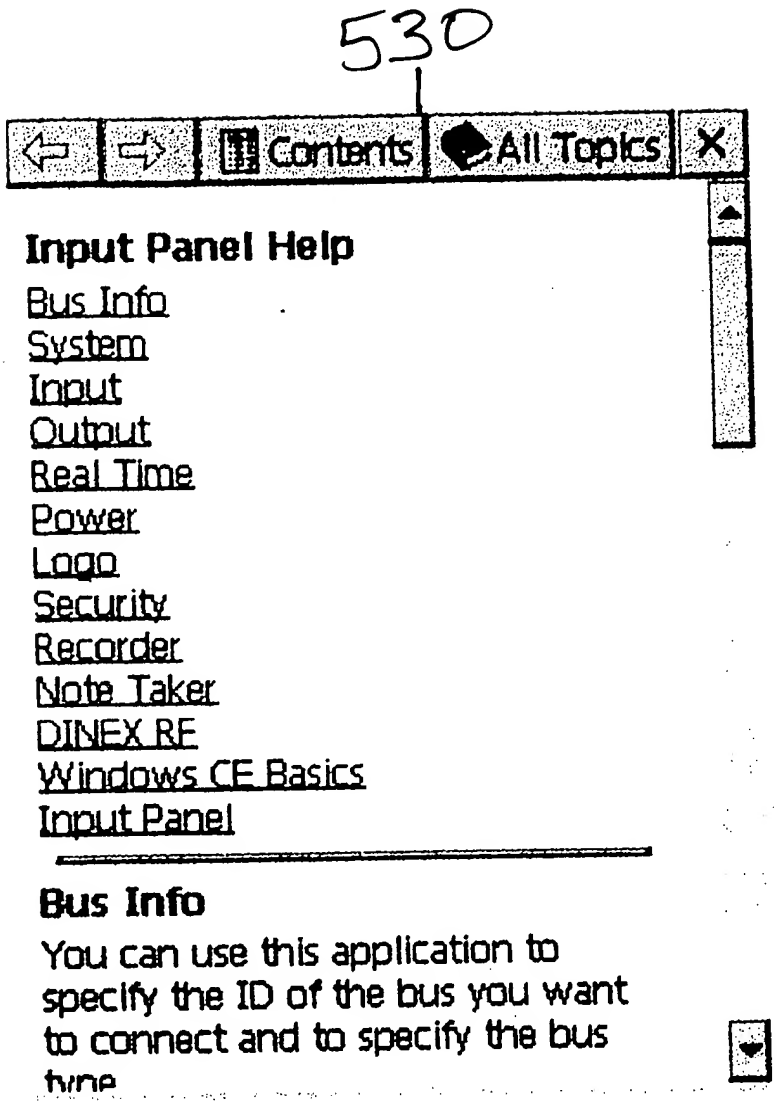
0021590.0X7E6560

Figure 20



D0251P0-0V1E6560

Figure 21



0025750-0276550

002T90'07E6560

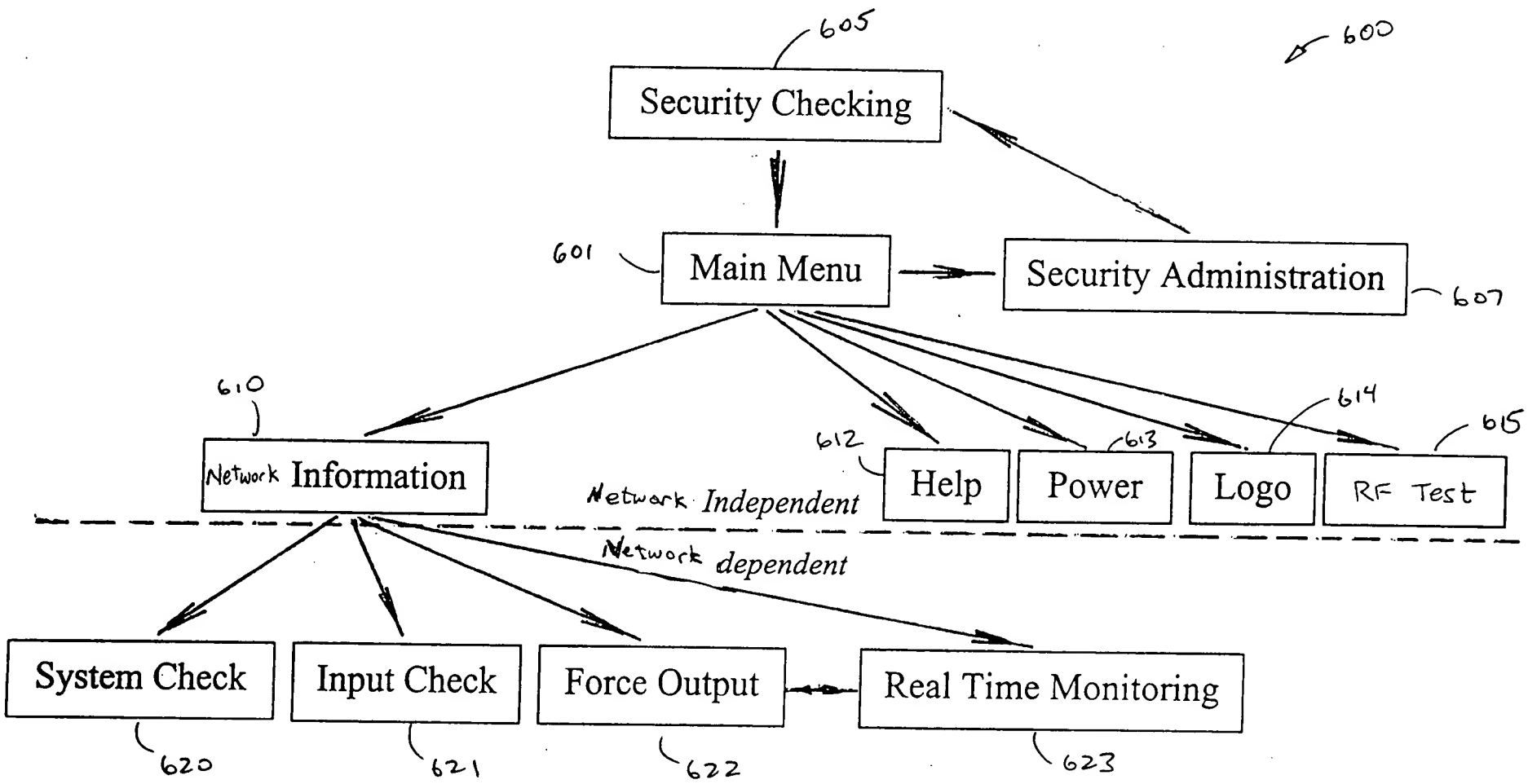


FIG. 22

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002T90"0ZTE6560

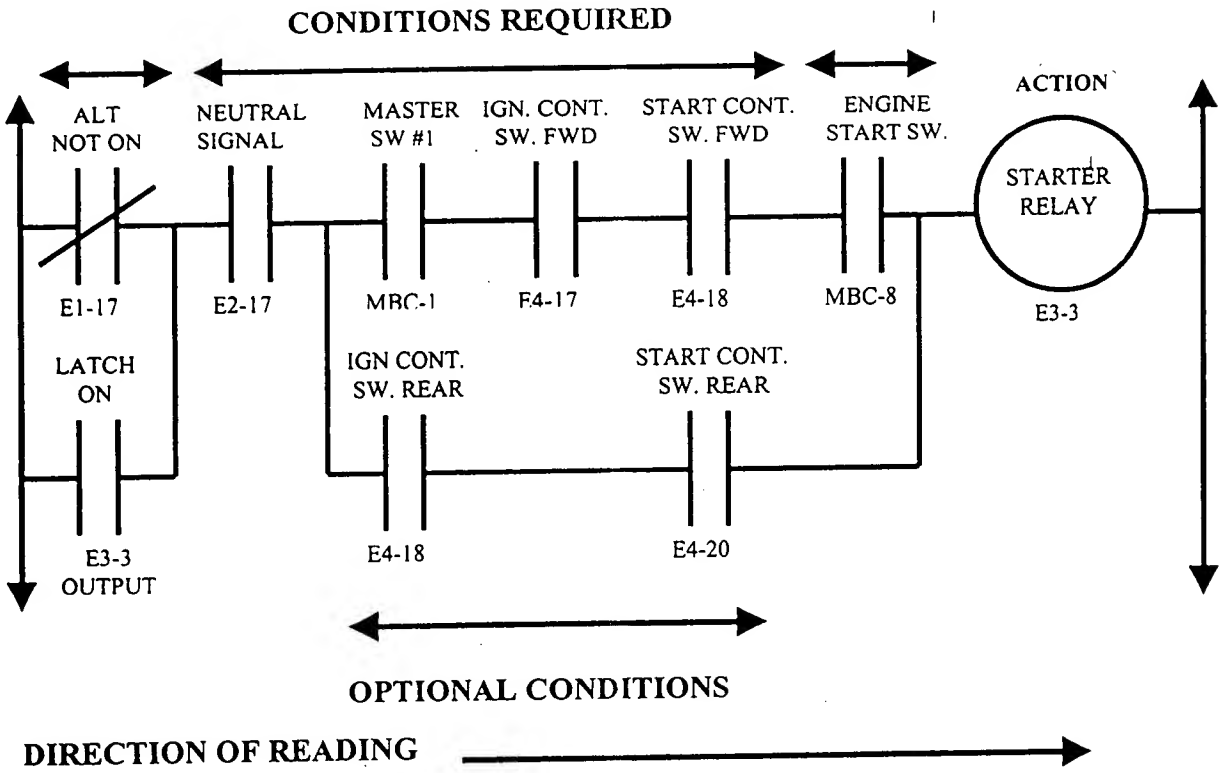

FIG. 23

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Express Mail EL360339911US
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- Real Time Monitoring

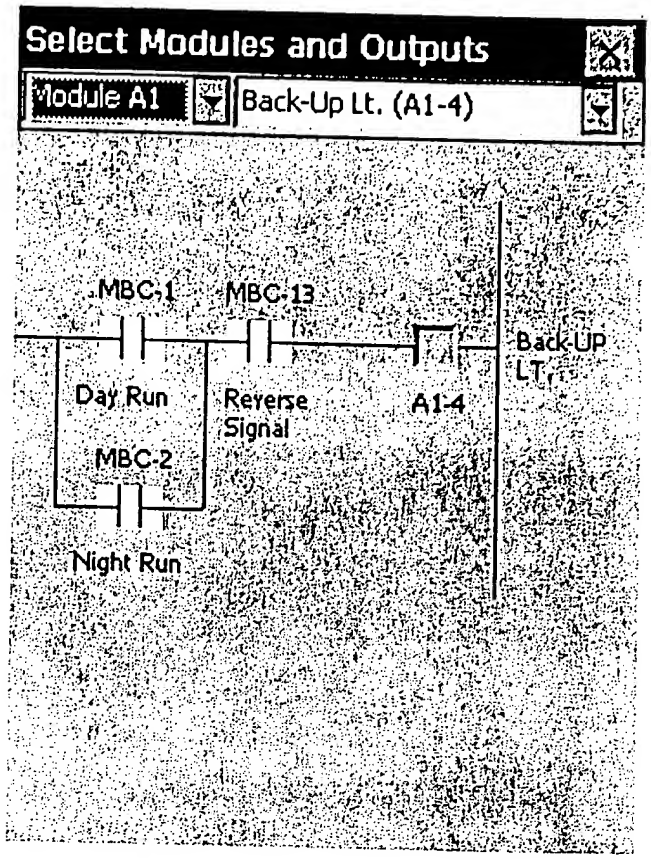

FIG. 24

0027590 - 0716560

- Real Time Monitoring

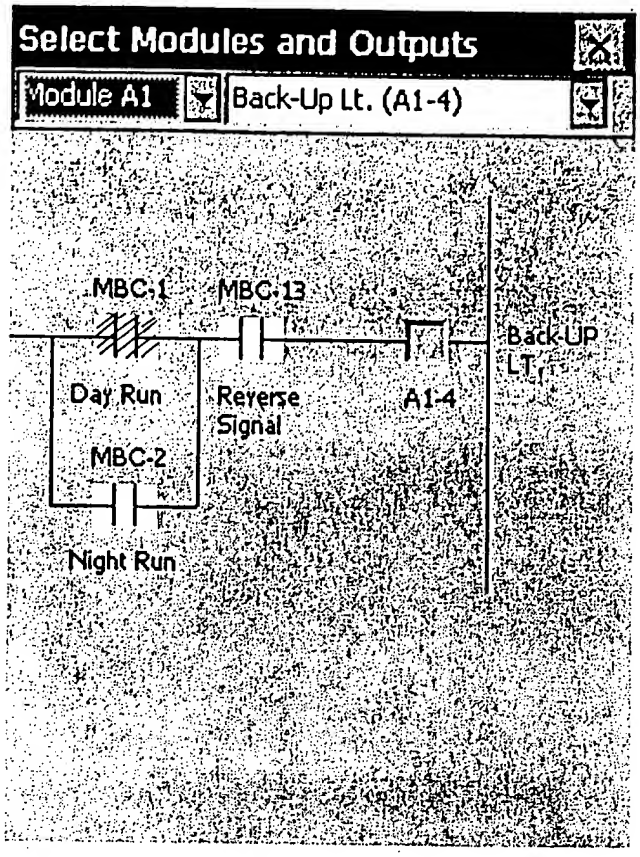

FIG. 25

0025690.0756560

- Real Time Monitoring

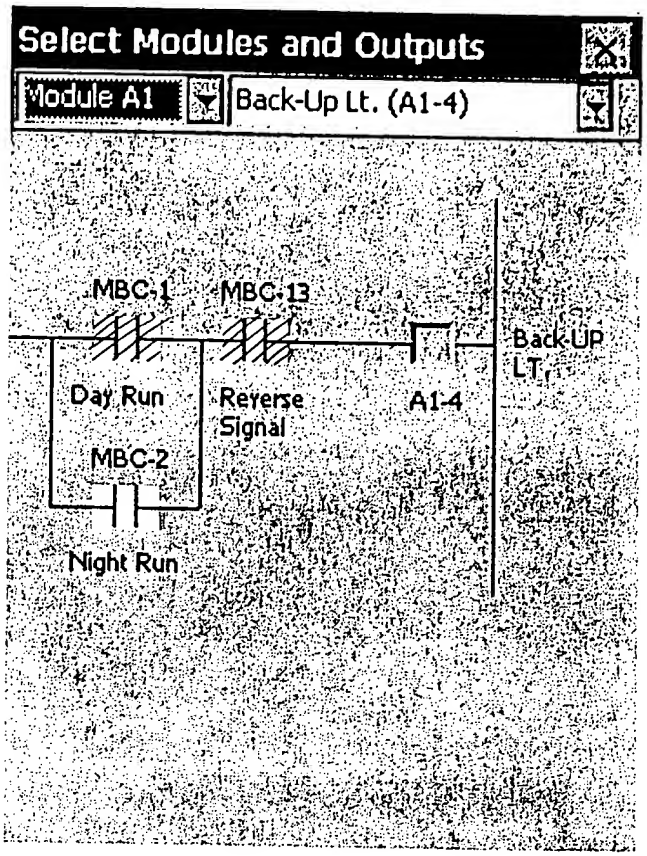

FIG. 26

0025790"0716560

002F90 07E6560

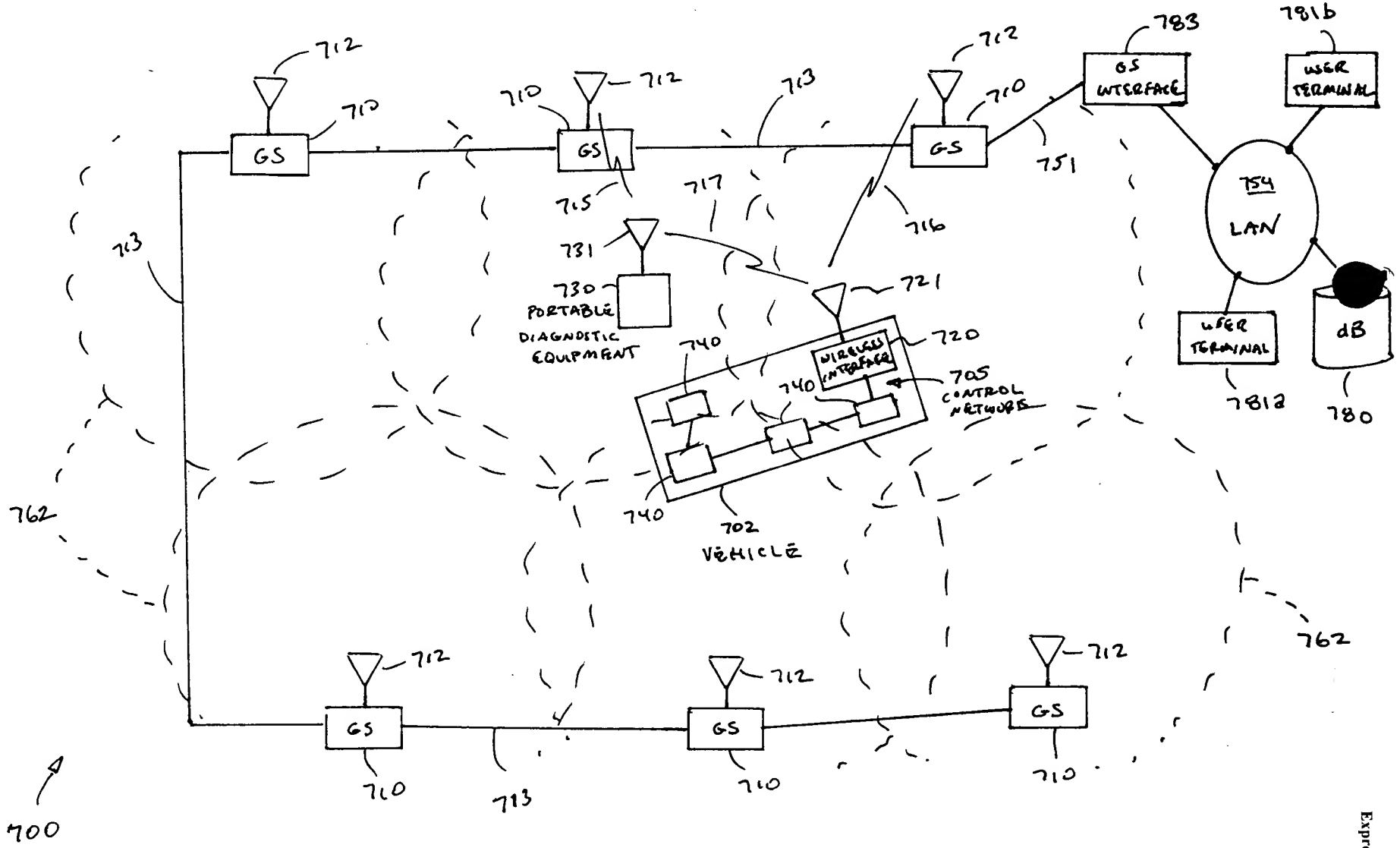

FIG. 27

Lyon & Lyon, LLP
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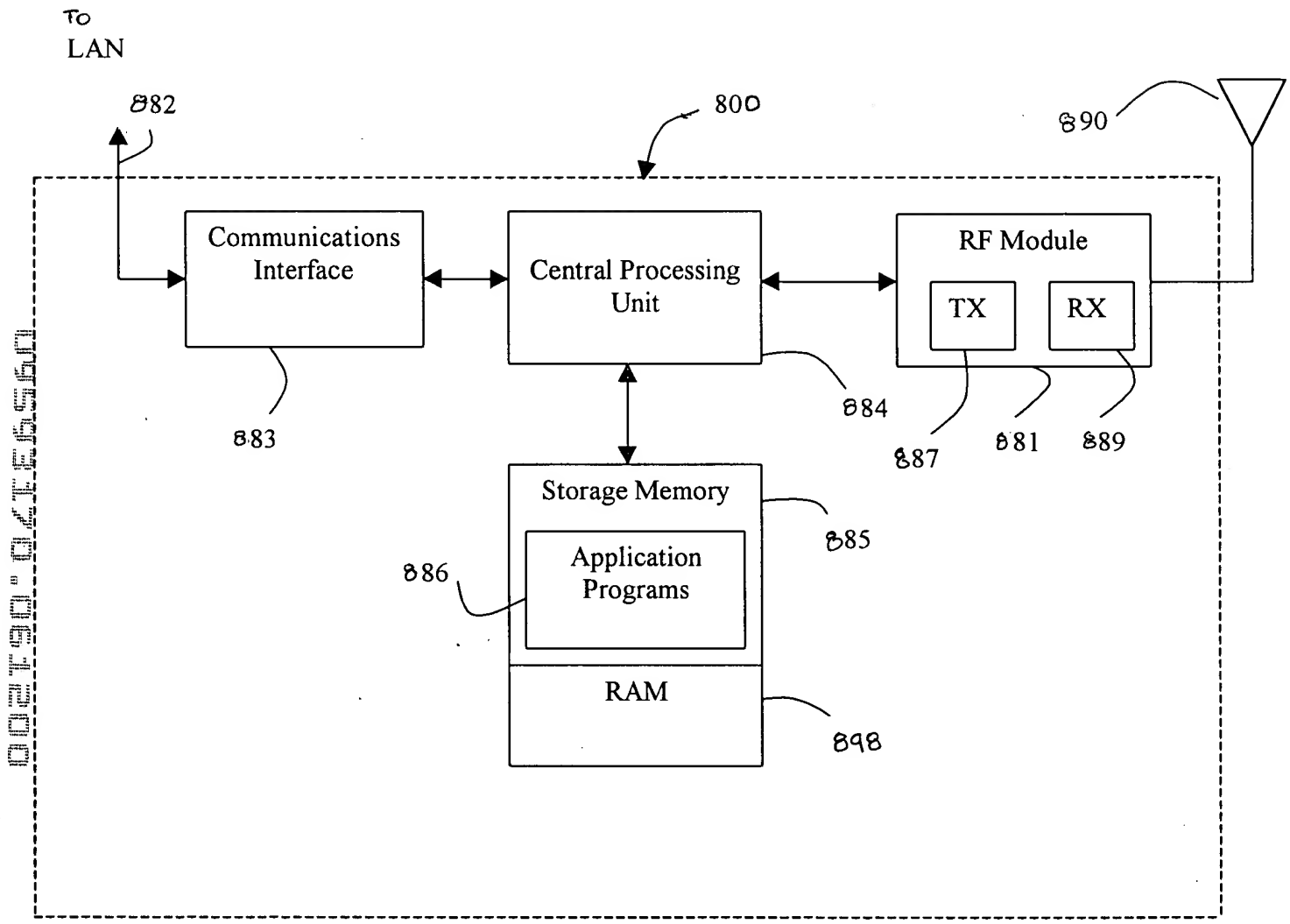
Figure 28


To
LAN
882
800
890
Communications Interface
Central Processing Unit
RF Module
TX
RX
883
884
887
881
889
Storage Memory
885
886
Application Programs
RAM
898